SPYWOLF

Security Audit Report

Completed on

January 22, 2023

SPYWOLF.CO

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OVERVIEW

This audit has been prepared for **0xPad** to review the main aspects of the project to help investors make make an informative decision during their research process.

You will find a a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

> *The results of this audit are purely based on the team’s evaluation and does not guarantee nor reflect the projects outcome and goal*
>
> - SPYWOLF Team -

TABLE OF CONTENTS

0xPad

PROJECT DESCRIPTION

According to their whitepaper:
0xpad is a hybrid fundraiser fusing marketing along an innovative borrow mechanism to raise funds for startups, guarantee returns for investors, in addition to introducing the CBC standard and offering a suite of products including a fundraiser, swap, liquidity staking and a marketing accelerator.

Release Date: Presale starts in February 1st, 2023

Category: Launchpad

CONTRACT INFO

Token Name
ZeroXPad

Symbol
ZXP

Contract Address
0x0693F4676FD114E649Ca9AAaA819898DF4d25129

Network
Binance Smart Chain

Language
Solidity

Deployment Date
Jan 21, 2023

Verified?
Yes

Total Supply
10,000,000

Status
Not launched

TAXES

Buy Tax
3%

Sell Tax
3%

*Fees can be changed in future

Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat

CURRENT STATS

(As of January 22, 2023)

Status:

Not Launched!

Liquidity

Not added yet

Burn

No burnt tokens

MaxTxAmount

No limit

DEX

PancakeSwap

LP Address(es)

Liquidity not added yet

TOKEN TRANSFERS STATS

Transfer Count	1
Uniq Senders	1
Uniq Receivers	1
Total Amount	10000000 ZXP
Median Transfer Amount	10000000 ZXP
Average Transfer Amount	10000000 ZXP
First transfer date	2023-01-21
Last transfer date	2023-01-21
Days token transferred	1

SMART CONTRACT STATS

Calls Count	1
External calls	1
Internal calls	0
Transactions count	1
Uniq Callers	1
Days contract called	1
Last transaction time	2023-01-21 14:16:37 UTC
Created	2023-01-21 14:16:37 UTC
Create TX	0x0126250d2c2924f074d322606f917ff2750d6f5ea2515accf96a0f074cdf2cb4
Creator	0x0a78302a382ffe54b02bc85416099d9e63d10b6d

FEATURED WALLETS

Owner address	0x0a78302a382ffe54b02bc85416099d9e63d10b6d
Treasury	0x0a78302a382ffe54b02bc85416099d9e63d10b6d
LP address	**Liquidity not added yet**

PRESALE STATS (Pinksale)

https://www.pinksale.finance/launchpad/0x83A5eaB2CAF654Ea0b0A3e786fB0a2422260a847

Total Supply	10,000,000 ZXP
Tokens For Presale	N/A
Tokens For Liquidity	N/A
Soft Cap	N/A
Presale Start Time	N/A
Presale End Time	N/A
Listing On	Pancakeswap
Liquidity Percent	N/A
Liquidity Lockup Time	N/A

VULNERABILITY CHECK

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer overflow and underflow	Passed
Race conditions and reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed

THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.

FOUND THREATS

⚠ High Risk

No high risk-level threats found in this contract.

⚠ Medium Risk

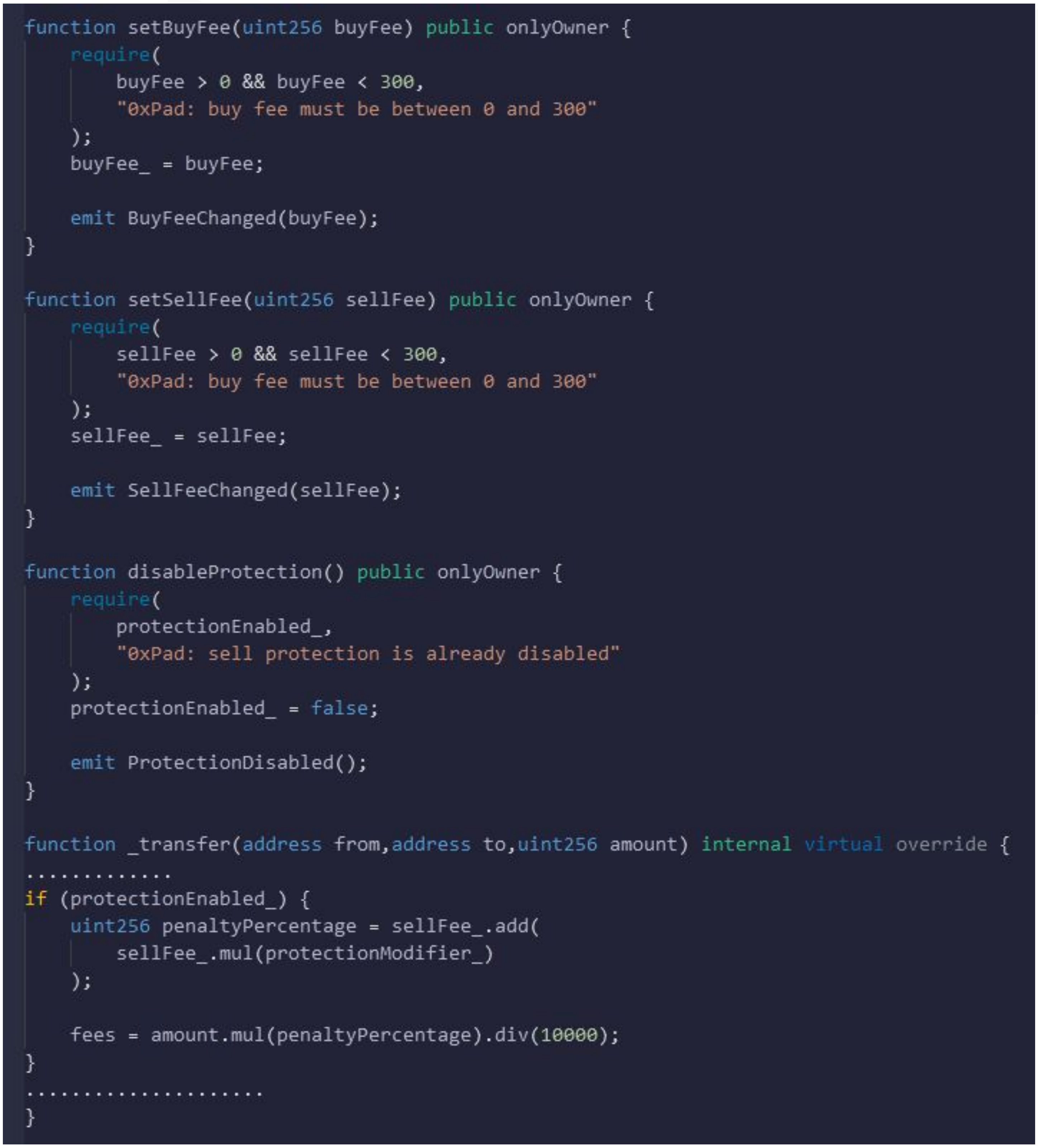
No medium risk-level threats found in this contract.

⚠ Low Risk

No low risk-level threats found in this contract.

Informational

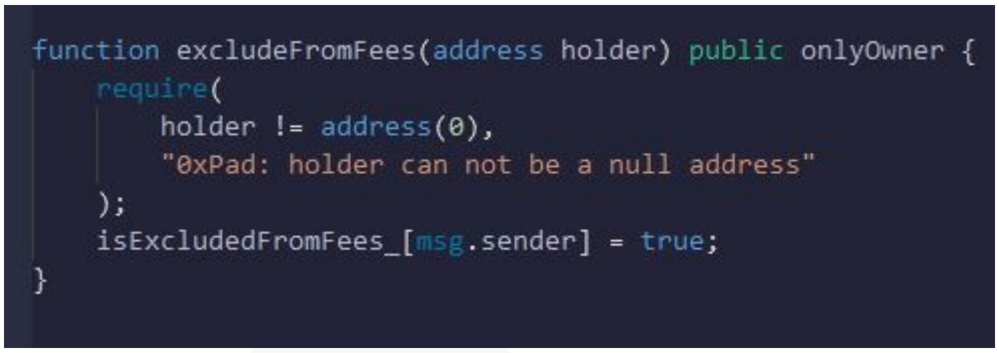
Owner can set buy fees up to 3% and sell fees up to 24% (untill disableProtection function is triggered).
Once disableProtection function is triggered sell fees can be set up to 3%.
Combined buy+sell = 27%.



```
function setBuyFee(uint256 buyFee) public onlyOwner {
    require(
        buyFee > 0 && buyFee < 300,
        "0xPad: buy fee must be between 0 and 300"
    );
    buyFee_ = buyFee;

    emit BuyFeeChanged(buyFee);
}

function setSellFee(uint256 sellFee) public onlyOwner {
    require(
        sellFee > 0 && sellFee < 300,
        "0xPad: buy fee must be between 0 and 300"
    );
    sellFee_ = sellFee;

    emit SellFeeChanged(sellFee);
}

function disableProtection() public onlyOwner {
    require(
        protectionEnabled_,
        "0xPad: sell protection is already disabled"
    );
    protectionEnabled_ = false;

    emit ProtectionDisabled();
}

function _transfer(address from,address to,uint256 amount) internal virtual override {
.............
if (protectionEnabled_) {
    uint256 penaltyPercentage = sellFee_.add(
        sellFee_.mul(protectionModifier_)
    );

    fees = amount.mul(penaltyPercentage).div(10000);
}
.....................
}
```

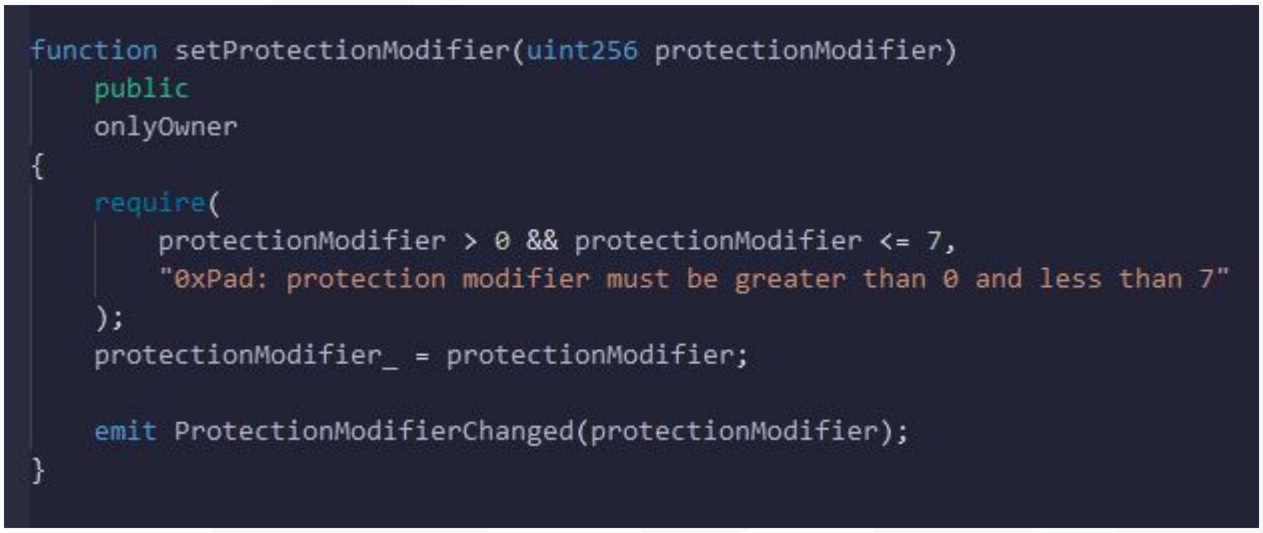
Informational

Owner can exclude address from fees.



```
function excludeFromFees(address holder) public onlyOwner {
    require(
        holder != address(0),
        "0xPad: holder can not be a null address"
    );
    isExcludedFromFees_[msg.sender] = true;
}
```

Owner can set multiplier for sell fees up to x7 until disableProtection() functuon is triggered.



```
function setProtectionModifier(uint256 protectionModifier)
    public
    onlyOwner
{
    require(
        protectionModifier > 0 && protectionModifier <= 7,
        "0xPad: protection modifier must be greater than 0 and less than 7"
    );
    protectionModifier_ = protectionModifier;

    emit ProtectionModifierChanged(protectionModifier);
}
```

RECOMMENDATIONS FOR

GOOD PRACTICES

1 Consider fundamental tradeoffs

2 Be attentive to blockchain properties

3 Ensure careful rollouts

4 Keep contracts simple

5 Stay up to date and track development

0xPad

GOOD PRACTICES FOUND

✓ The owner cannot mint new tokens after deployment

✓ The owner cannot stop or pause the contract

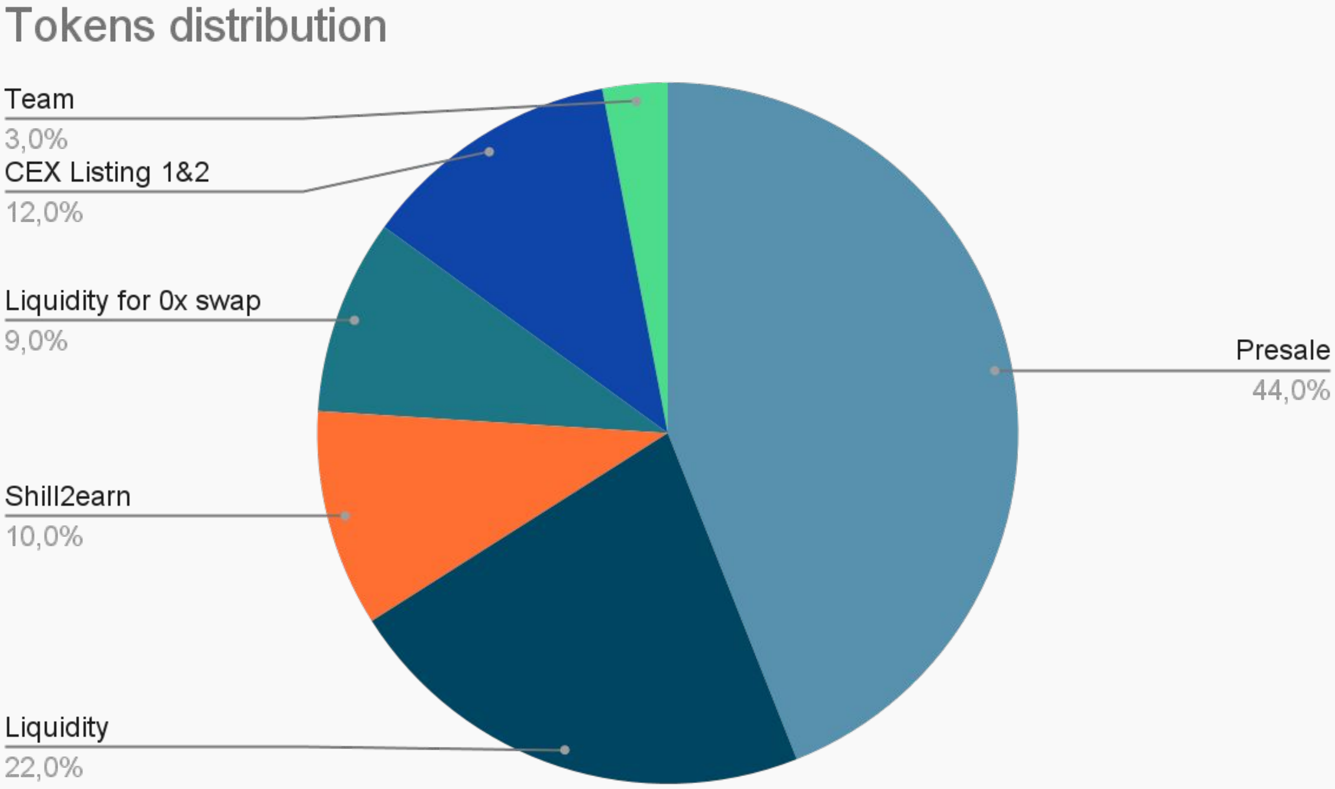
✓ The owner can set a transaction limit, but can’t lower it than 1% of total supply

✓ The smart contract utilizes "SafeMath" to prevent overflows

TOKENOMICS

*The following tokenomics are based on the project's whitepaper and/or website:

- 44% - Presale
- 22% - Liquidity
- 10% - Shill2earn
- 9% - Liquidity for 0x swap
- 12% - CEX Listing 1&2
- 3% - Team



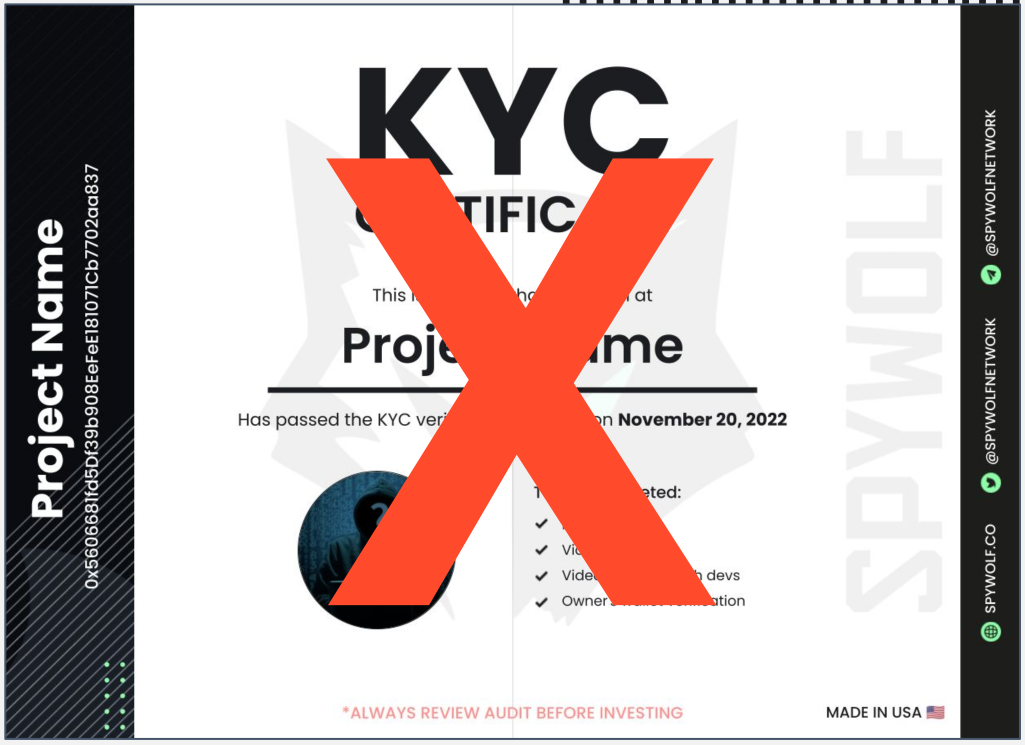
THE TEAM

⚠️ The team is annonymous

KYC INFORMATION

⚠️ No KYC

We recommend the team to get a KYC in order to ensure trust and transparency within the community.



Project Name
0x5606681fd5Df39b908EeFeE181071Cb7702aa837

KYC
TIFIC

This at
Proj me
Has passed the KYC veri on **November 20, 2022**

eted:
- ✓ Vi
- ✓ Vide devs
- ✓ Owner ation

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*ALWAYS REVIEW AUDIT BEFORE INVESTING

MADE IN USA 🇺🇸

WEBSITE

Website URL
https://www.0xpad.app/

Domain Registry
https://www.godaddy.com

Domain Expiration
Expires on 2024-01-14

Technical SEO Test
Passed

Security Test
Passed. SSL certificate present

Design
SIngle page design, appropriate color scheme and graphics.

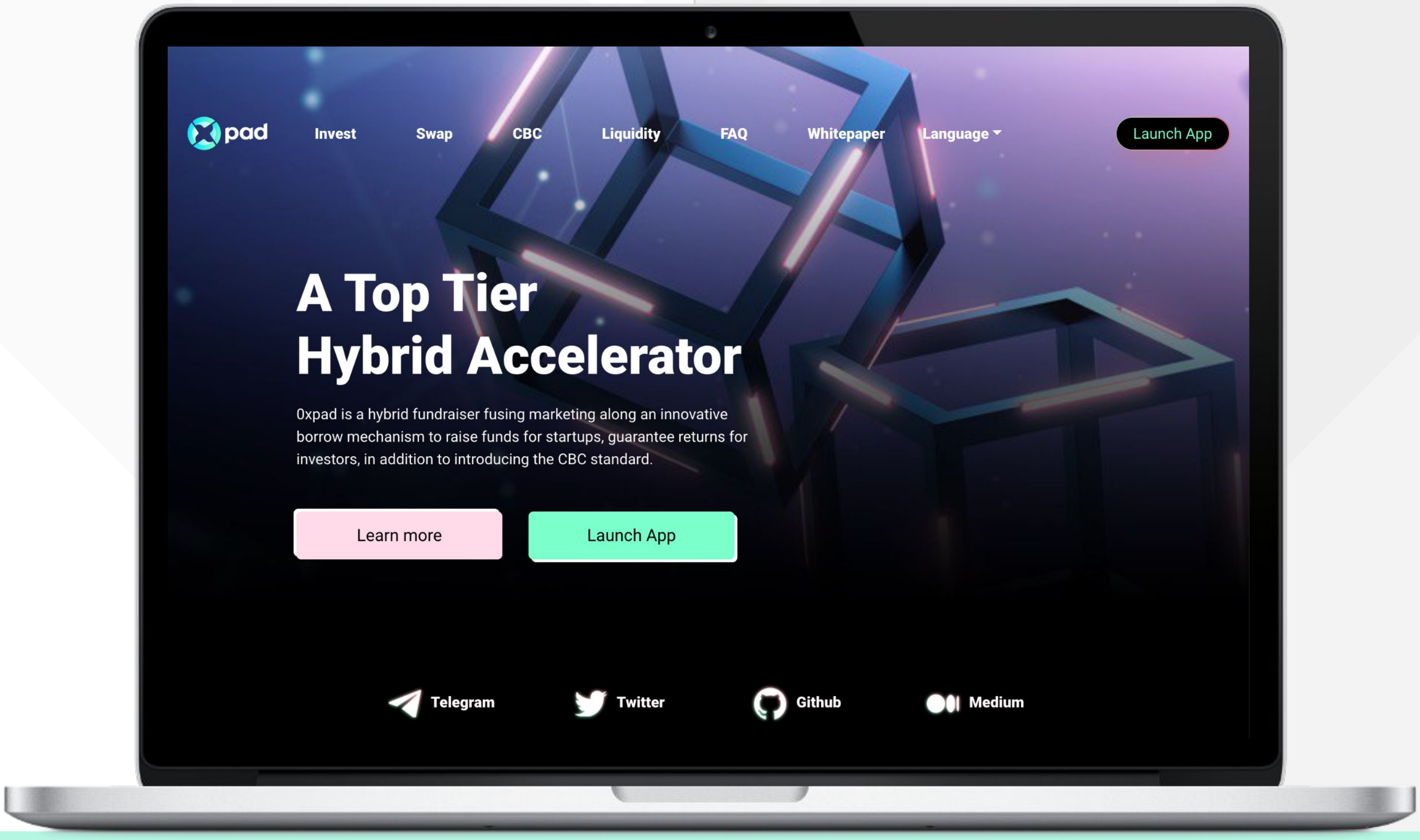
Content
The information helps new investors understand what the product does right away. No grammar mistakes found

.

Whitepaper
Well written, explanatory.

Roadmap
Yes, goals set with time frames.

Mobile-friendly?
Yes



A Top Tier Hybrid Accelerator

0xpad is a hybrid fundraiser fusing marketing along an innovative borrow mechanism to raise funds for startups, guarantee returns for investors, in addition to introducing the CBC standard.

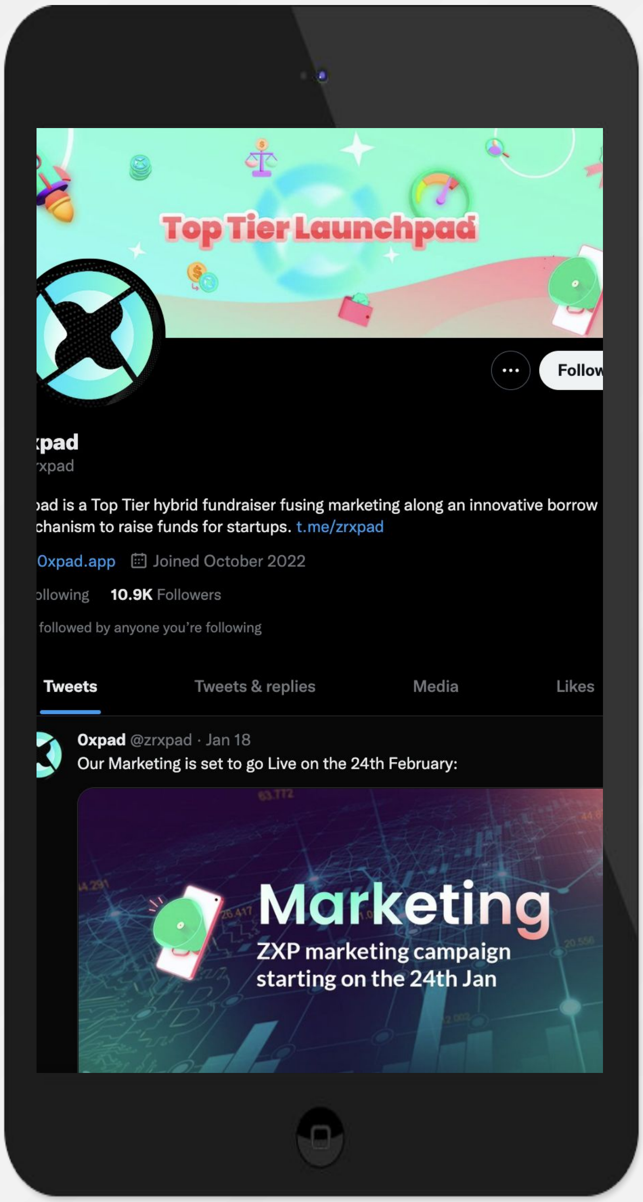
0xpad.app

SOCIAL MEDIA

& ONLINE PRESENCE

ANALYSIS

Project’s social media channels are active.



xpad
rxpad

bad is a Top Tier hybrid fundraiser fusing marketing along an innovative borrow chanism to raise funds for startups. t.me/zrxpad

0xpad.app Joined October 2022

ollowing **10.9K** Followers

followed by anyone you’re following

Tweets Tweets & replies Media Likes

0xpad @zrxpad · Jan 18
Our Marketing is set to go Live on the 24th February:

Twitter

@zrxpad

- 10 900 followers
- Active
- Posts frequently

Discord

- Not available

Telegram

@zrxpad

- 9 221 members
- Few active members
- Active mods

Medium

@zrxpad

- 5 articles

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CRYPTO SECURITY

Audits | KYCs | dApps
Contract Development

ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

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contact@spywolf.co or
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Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.